

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100919\
 Data File : VV013065.D
 Acq On : 09 Oct 2019 09:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02588

Quant Time: Oct 10 07:42:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 09 18:05:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	748053	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	727585	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	390802	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	256008	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.24%
7) Chloroethane-d5	1.58	69	218494	23.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.12%
10) 1,1-Dichloroethene-d2	2.13	63	484321	25.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.36%
20) 2-Butanone-d5	3.96	46	187079	46.68	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.36%
24) Chloroform-d	4.40	84	507662	24.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.08	65	277558	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.96%
29) Benzene-d6	5.09	84	1066157	26.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.00%
33) 1,2-Dichloropropane-d6	6.11	67	320752	25.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.76%
37) Toluene-d8	7.35	98	1002448	27.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.72%
38) trans-1,3-Dichloropropene-	7.66	79	134072	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.48%
39) 2-Hexanone-d5	8.13	63	127146	49.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.24%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	285283	23.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	382556	25.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	232522	28.225 ug/L	99
3) Chloromethane	1.25	50	281082	26.127 ug/L	99
5) Vinyl chloride	1.32	62	293704	27.651 ug/L	100
6) Bromomethane	1.54	94	180884	27.280 ug/L	98
8) Chloroethane	1.60	64	186095	28.511 ug/L	96
9) Trichlorofluoromethane	1.77	101	386609	26.912 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	243989	26.573 ug/L	98
12) 1,1-Dichloroethene	2.14	96	233717	27.639 ug/L	98
13) Acetone	2.22	43	204619	48.038 ug/L	100
14) Carbon disulfide	2.32	76	686462	25.414 ug/L	100
15) Methyl Acetate	2.47	43	153647	23.257 ug/L	98
16) Methylene chloride	2.53	84	291748	26.093 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	640246	25.804 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	269760	26.951 ug/L	98
19) 1,1-Dichloroethane	3.23	63	498461	27.289 ug/L	99
21) 2-Butanone	4.04	43	224047	45.197 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	294298	26.865 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	140309	25.931	ug/L	98
25) Chloroform	4.42	83	512863	26.779	ug/L	100
27) 1,2-Dichloroethane	5.18	62	342615	25.311	ug/L	100
30) Cyclohexane	4.72	56	426487	27.322	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	413635	28.725	ug/L	99
32) Carbon tetrachloride	4.87	117	367902	28.176	ug/L	98
34) Benzene	5.14	78	1138214	28.104	ug/L	100
35) Trichloroethene	5.96	95	301509	26.724	ug/L	98
36) Methylcyclohexane	6.17	83	466390	26.928	ug/L	99
40) 1,2-Dichloropropane	6.22	63	285565	27.114	ug/L	100
41) Bromodichloromethane	6.55	83	366685	27.182	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	426898	27.585	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	434962	50.267	ug/L	99
44) Toluene	7.43	91	1239432	29.016	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	357455	27.444	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	232201	25.969	ug/L	100
47) Tetrachloroethene	8.02	164	252023	27.484	ug/L	99
49) 2-Hexanone	8.18	43	326325	50.030	ug/L	98
50) Dibromochloromethane	8.29	129	273529	26.616	ug/L	98
51) 1,2-Dibromoethane	8.39	107	227425	25.956	ug/L	99
52) Chlorobenzene	8.92	112	806891	27.374	ug/L	99
53) Ethylbenzene	9.05	91	1360111	28.919	ug/L	100
54) m,p-Xylene	9.18	106	524967	29.361	ug/L	99
55) o-xylene	9.58	106	500437	29.375	ug/L	99
56) Styrene	9.60	104	885535	29.543	ug/L	98
57) Isopropylbenzene	9.97	105	1340400	29.939	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	281864	25.484	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	222732	24.399	ug/L	100
62) Bromoform	9.77	173	175013	26.391	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	664237	27.613	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	680019	26.935	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	622477	27.129	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	46635	22.924	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	516881	27.469	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	442751	26.907	ug/L	99
69) Naphthalene	13.55	128	851400	25.726	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	421273	26.629	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

